

Warm-Up

0.5

1. $\sqrt{0.25}$

$$\sqrt{\frac{25}{100}} = \frac{5}{10} = \frac{1}{2}$$

4. $\sqrt{66}$

8.1

2. $\sqrt{\frac{16}{36}} = \frac{4}{6} = \frac{2}{3}$

5. $\sqrt{23}$

4.8

3. $\sqrt{9,000,000}$
3,000

6. $\sqrt{37}$

6.1

Scientific Notation

$9.3 \cdot 10^5$

number is between 1 and 10

base of 10

← exponent

1461500000000

1.4615 · 10¹³

9,253,400,000,000

9.2534 : 10¹²

$$6.34 \cdot 10^{\textcircled{7}}$$

$$6.34 \cdot 10 \cdot 10 \cdot 10 \cdot 10 \cdot 10 \cdot 10 \cdot 10$$

$$6.34 \underbrace{0000000}$$

$$6.34 \cdot 10 = 63.4$$

$$6.34 \cdot 100 = 634$$

$$7.32 \cdot 10^{-4}$$

↑ direction
how many times

0.000732
0.000732